

AMENDMENTS TO THE CLAIMS

1. (Original) A routing processing device which identifies one or a plurality of types of packet formats, and performs routing processing for each packet type, comprising:

a packet information extraction portion, which extracts from a packet for identification a prescribed range of fields including at least one identifying information item which identifies the packet type;

a packet judgment portion, which judges the packet type based on information in a prescribed position among said extracted fields;

a header imparting portion, which creates header information according to the packet type based on the judgment result of said packet judgment portion and imparts the header information to the packet;

a packet sorting portion which sorts packets based on said header information imparted to the packets; and,

a routing processing portion which performs routing processing of packets sorted by said packet sorting portion, according to the packet type.

2. (Currently Amended) The routing processing device according to Claim 1, further comprising:

a settings table which associates packet types with said routing processing portion, and wherein said header imparting portion creates ~~[[a]]~~ the packet header information designating said routing processing portion~~[[,]]~~ further based on the ~~judgment result of the packet by said packet judgment portion and said settings table and imparts this packet header information to the packet.~~

3. (Original) The routing processing device according to Claim 1, wherein said header imparting portion imparts header information containing discarding instruction information to the packet when the packet is not to be subjected to routing processing, and said packet sorting portion discards the packet based on said discarding instruction information.

4. (Currently Amended) The routing processing device according to Claim 1, wherein the prescribed position ~~[[range]]~~ in said extracted fields is variable.

5. (Original) A packet type identification device, which identifies one or a plurality of types of packet formats, comprising:

a packet information extraction portion, which and extracts from a packet for identification a prescribed range of fields including at least one identifying information item which identifies the packet type; and

a packet judgment portion, which judges the packet type based on information in a prescribed position among said extracted fields.